DETAILED ACTION

CONTINUED EXAMINATION UNDER 37 CFR 1.114

1.   A request for continued examination under 37 CFR 1.114, including the fee set

forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this

application is eligible for continued examination under 37 CFR 1.114, and the fee set

forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action

has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on

08/05/2009 has been entered.

RESPONSE TO ARGUMENTS

2.   Applicant's arguments with respect to claim 1-36 and 40-41 have been

considered but are moot in view of the new ground(s) of rejection. Currently, claims 37-

39 are cancelled, and claims 1-36 and 40-41 are pending for examination.

I. OBJECTIONS TO THE CLAIMS

3.   Claim 41 is objected to because of the following informalities:

        in claim 41, lines 13 and 17-18, "… fourth language …" should be replaced with -

… third language-.

        Please note that the request for the replacements as stated above is for the

purpose to improve the clarity of the claim language. Appropriate correction is required.

II. REJECTIONS BASED ON PRIOR ART

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4.   Claims 1-36 and 40-41 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Wakai et al. (US Patent 6,587,126) in view of Tso et al. (US Patent

6,421,733), Iwamoto et al. (US Patent 7,167,919) and Toda (US Pub.: 2004/0030693).

5.   As per claims 1, 9, 16, 23 and 30, Wakai teaches a computer-readable medium

system and method comprising:

a processor (CPU 802 of Fig. 8) configured to execute instructions;

a plurality of devices (e.g. printer device and scanner device in multi-function

device 705 of Fig. 7) coupled to the computer system (Fig. 7, ref. 706), wherein each

device is configured to perform a corresponding function/service (e.g. printing function,

scanning function) (col. 13, l. 21 to col. 16, l. 60); and

a memory (Fig. 8, 805-807), coupled to the processor (Fig. 8, ref. 802), and

configured to store the instructions, wherein the instructions comprise:

a module of receiving instructions (web server 204 of Fig. 2) configured to

receive a request to provide a requested service (e.g. service of printing), wherein the

request is received from an applet (Fig. 2, ref. 202, 203) executing on a first remote

network node (Fig. 2, ref. 102) and the request conforms to a request format defining in

a first language (e.g. markup language) (col. 14, ll. 41-47), wherein the request to

provide the service of printing is transferred from the web browser (Fig. 2, ref. 202 ,203)

to the web server (Fig. 2, ref. 204) conforming to the markup language utilized by the

web browser (Fig. 132) (col. 13, l. 21 to col. 16, l. 60),

at least one device (e.g. printer device in multi-function device 705 of Fig. 7) of

the plurality of devices (e.g. printer device and scanner device in multi-function device

705 of Fig. 7) is configured to provide the requested service (e.g. service of printing),

wherein the plurality devices comprising the printer device and the scanner device (col.

13, l. 21 to col. 16, l. 60);

providing the request to a server component (Fig. 2, ref. 103) (col. 13, l. 21 to col.

16, l. 60);

a module of selecting instructions (i.e. selecting therefore identifying) configured

for selecting (identifying) a first device (e.g. printer device in multi-function device 705 of

Fig. 7) of the plurality of device (e.g. printer device and scanner device in multi-function

device 705 of Fig. 7) to provide the requested service (e.g. service of printing) (Fig. 32,

ref. S3201) (col. 3, ll. 3-5 and col. 13, l. 21 to col. 16, l. 60), and

the module of selecting instructions (i.e. selecting therefore identifying) are

inherently performed in response to the module of obtaining request instruction, as

there is more than one option that the request may be directed including the option to

request for scanning by the scanner (e.g. scanner device in multi-function device 705 of

Fig. 7) and the option to request for printing by the printer (e.g. printer device in multi-

function device 705 of Fig. 7); therefore, only after obtaining the request and

determining the type of request (e.g. scanning or printing) by the desktop's PC's

processor or the like, can the received request be properly routed to the correct

peripheral device over the network (Fig. 7, ref. 701) (col. 13, l. 21 to col. 16, l. 60); and

      a module of converting instructions (request manager 207 of Fig. 2) configured

for converting the request to a second request in a second language (e.g. process

command comprising the print command) (col. 13, l. 21 to col. 16, l. 60), wherein the

request manager converts the request to the corresponding process command directed

to the printer device;

      wherein the second request conforms to a request format defined in a second

language (i.e. language associated with print process command) (col. 13, l. 21 to col.

16, l. 60);

      the first device (e.g. printer device in multi-function device 705 of Fig. 7) is

configured to provide the requested service (e.g. service of printing) in response to

receiving the second request (e.g. process command comprising the print command)

(col. 14, ll. 47-55), wherein the service of printing is performed when the printer's

command analysis/process unit (Fig. 2, ref. 208) receives the print command (col. 13, l.

21 to col. 16, l. 60).

      Wakai does not teach the computer-readable medium system and method

comprising: wherein the request is received from a plurality of source types; wherein the

plurality of source types comprises a control module executing on a second remote

network node, and an enterprise application web server executing on a third remote

network; a language parser configured to parse the first language; obtaining results of

the parsing the request from the language parser; selecting performed in response to

the result of the parsing; and at least one of the plurality of devices is configured to

receive requests only in a format that is incompatible with the request format defined in

the second language.

 Tso teaches a system and a method comprising:

 multiple network clients (col. 6, II. 51-63);

 a language parser (Fig. 3, ref. 22) configured to parse the first language (e.g.

markup language); obtaining results of the parsing the request from the language

parser; and selecting performed in response to the result of the parsing (col. 2, l. 44 to

col. 3, l. 65), by combining the parser with Wakai's conversion and device selection.

 It would have been obvious for one of ordinary skill in this art, at the time of

invention was made to include Tso's parser into Wakai's server component for the

benefit of enabling the manipulation of transferred data between the client computer and

the network computer/device without changing existing hardware (Tso, col. 1, II. 24-40)

to obtain the invention as specified in claims 1, 9, 16, 23 and 30.

 Wakai and Tso do not teach the computer-readable medium system and method

comprising wherein the request is received from a plurality of source types; and wherein

the plurality of source types comprises a control module executing on a second remote

network node, and an enterprise application web server executing on a third remote

network; and at least one of the plurality of devices is configured to receive requests

only in a format that is incompatible with the request format defined in the second
language.

Iwamoto teaches a system and a method comprising:

a request is received from a plurality of source types (e.g. access controller,
enterprise server, magnetic card reader) (Fig. 1-3; col. 1, ll. 41-42; col. 2, ll. 13-30 and
col. 4, l. 4 to col. 5, l. 67), in combination with Wakai's request and Tso's multiple
network clients; therefore, resulting combination have multiple network clients on the
network, each client have the respective different type of source to send the request;
and

wherein the plurality of source types comprises a control module (e.g. access
controller 49 of Fig. 3) executing on a second remote network node, and an enterprise
application web server (Fig. 1, ref. 8) executing on a third remote network (Fig. 1-3; col.
1, ll. 41-42; col. 2, ll. 13-30 and col. 4, l. 4 to col. 5, l. 67), in combination with Wakai's
request and Tso's multiple network clients; therefore, resulting combination have the
internet network having multiple network clients wherein the multiple network clients
include the access controller, and the enterprise server residing on the respective
remote network node on the internet network.

It would have been obvious for one of ordinary skill in this art, at the time of
invention was made to include Iwamoto's different source types into Wakai and Tso's
network system not only have the benefit of expanding the utilization of the single
peripheral device by different source types, but also have the benefit of more efficient
and secure storage of access management information at a centralized location

(Iwamoto, col. 2, ll. 46-53) to obtain the invention as specified in claims 1, 9, 16, 23 and 30.

Wakai, Tso and Iwamoto do not expressly teach the computer-readable medium system and method comprising at least one of the plurality of devices is configured to receive requests only in a format that is incompatible with the request format defined in the second language.

Toda teaches a system and a method comprising at least one of the plurality of devices (e.g. scanner device 32, printer device 31, and facsimile device 28 of Fig. 2) is configured to receive requests only in a format that is incompatible with the request format defined in the second language (Fig. 1-2; [0004]-[0016] and [0045]-[0077]), by combining the user/client requesting to scan, print, or fax with Wakai, Tso and Iwamoto's multi-function device processing the print command (i.e. second language) for printing, the resulting combination of the references further teaches the scanner device is configured to only receive scan command that is incompatible with the request format corresponding to print command.

It would have been obvious for one of ordinary skill in this art, at the time of invention was made to include Toda's processing of different device commands into Wakai, Tso and Iwamoto's multi-function device for the benefit of more efficient control of the multi-function device and improving compatibility with the multi-function device (Toda, [0011] and [0015]) to obtain the invention as specified in claims 1, 9, 16, 23 and 30.

6.   As per claim 2, <u>Wakai</u>, <u>Tso</u>, <u>Iwamoto</u> and <u>Toda</u> teach all the limitations of claim 1

as discussed above, where <u>Wakai</u> further teaches the computer-readable medium

system and method comprising directing the second request (process command

comprising the printing command) to the first device (printer) (<u>Wakai</u>, col. 14, 47-55), as

the second request (process command) is directed to the printer's command

analysis/process unit (<u>Wakai</u>, Fig. 2, ref. 208).

7.   As per claim 3, <u>Wakai</u>, <u>Tso</u>, <u>Iwamoto</u> and <u>Toda</u> teach all the limitations of claim 2

as discussed above, where <u>Wakai</u> further teaches the computer-readable medium

system and method comprising:

        the first language is a mark up language (<u>Wakai</u>, Fig. 10 and col. 14, ll. 41-47),

as the request is transferred by the web browser (<u>Wakai</u>, Fig. 2, ref. 202, 203) over the

network to the web server (<u>Wakai</u>, Fig. 2, ref. 204) utilizing language such as HTML

(<u>Wakai</u>, Fig. 132);

        the second language is a device specific language of a plurality device specific

languages (<u>Wakai</u>, Fig. 7 and col. 16, ll. 56-60), wherein process command comprising

the print command and the scan command, as the print command would be specific for

the printer and the scan command would be specific for the scanner,

        wherein each of the plurality of devices communication using one of the plurality

of device specific languages (<u>Wakai</u>, Fig. 7 and col. 16, ll. 56-60).

8.   As per claim 4, <u>Wakai</u>, <u>Tso</u>, <u>Iwamoto</u> and <u>Toda</u> teach all the limitations of claim 2

as discussed above, where <u>Wakai</u> further teaches the computer-readable medium

system and method comprising wherein the request formats comprise:

        at least one instruction (instruction to print) (<u>Wakai</u>, col. 17, ll. 8-14), and

        data (print information) to be used when performing the at least one instruction

(<u>Wakai</u>, col. 17, ll. 8-14).

9.   As per claim 5, <u>Wakai</u>, <u>Tso</u>, <u>Iwamoto</u> and <u>Toda</u> teach all the limitations of claim 4

as discussed above, where <u>Wakai</u> further teaches the computer-readable medium

system and method comprising:

        specifying use of a specific feature (printing feature) of the first device (<u>Wakai</u>,

printer 702 of Fig. 7) (<u>Wakai</u>, Fig. 22 and col. 14, ll. 51-55),

        wherein said specifying use of the specific feature comprises specifying a

optional variable (variable of "Print") (<u>Wakai</u>, Fig. 22 and col. 23, ll. 59-63) and

        providing a value (value of data file to be printed) for the optional variable (<u>Wakai</u>,

Fig. 132 and col. 45, ll. 19-22), wherein the data file to be printed is provided by

specifying the specific data file; therefore, the optional variable and the value specify

use the specific feature of the first device; and

        said converting the request to the second request comprises:

        including the optional variable in the at least one instruction of the second

request, and including the value for the optional variable in the data of the second

request (<u>Wakai</u>, Fig. 132 and col. 45, ll. 19-22), wherein the user requests service of

printing of the specific data file by selecting the "print" on screen with the specific data

file, therefore the second request comprises of the "print" request and the data file to be

printed.

10.   As per claim 6, Wakai, Tso, Iwamoto and Toda teach all the limitations of claim 2

as discussed above, where Wakai further teaches the computer-readable medium

system and method comprising sending a response to the request (Wakai, Fig. 22, ref.

S2213), as the HTML page corresponds to the printing is transferred to the client

component.

11.   As per claim 7, Wakai, Tso, Iwamoto and Toda teach all the limitations of claim 6

as discussed above, where Wakai and Toda further teaches the computer-readable

medium system and method comprising wherein the response conforms to a response

format defined in the first language (e.g. markup language) (Wakai, Fig. 22, ref. S2213

and Toda, [0069]).

12.   As per claim 8, Wakai, Tso, Iwamoto and Toda teach all the limitations of claim 7

as discussed above, where Wakai further teaches the computer-readable medium

system and method comprising wherein the response formats comprises:

        at least one instruction (Wakai, Fig. 22, ref. S2213), wherein the instruction

comprising the instruction to display the corresponding HTML page; and

data to be used when performing the at least one instruction (<u>Wakai</u>, Fig. 23, ref. S2312, S2313 and col. 24, ref. 45-49), wherein the data to be used comprising "Printing successful" and "Printing failure".

13.   Claims 10-15, 17-22, 24-29 and 31-36 repeat the limitations of claims 2 and 4-8 and are therefore rejected accordingly.

14.   As per claim 40, <u>Wakai</u>, <u>Tso</u>, <u>Iwamoto</u> and <u>Toda</u> teach all the limitations of claim 1 as discussed above, where <u>Iwamoto</u> further teaches the method comprising wherein the plurality of source types comprises a magnetic card reader (<u>Iwamoto</u>, Fig. 1-3; col. 1, ll. 41-42; col. 2, ll. 13-30 and col. 4, l. 4 to col. 5, l. 67).

15.   As per claim 41, <u>Wakai</u>, <u>Tso</u>, <u>Iwamoto</u> and <u>Toda</u> teach all the limitations of claim 1 as discussed above, where <u>Wakai</u>, <u>Tso</u> and <u>Toda</u> further teach the method comprising:

receiving a third request to provide a second requested service (e.g. service of scanning or faxing), wherein the third request conforms to the request format defined in the first language (e.g. markup language) (<u>Wakai</u>, col. 14, ll. 41-47), said receiving the third request is performed by the module in the computer system, providing the third request to the language parser (<u>Wakai</u>, col. 13, l. 21 to col. 16, l. 60; <u>Tso</u>, Fig. 3, ref. 22; col. 2, l. 44 to col. 3, l. 65 and <u>Toda</u>, Fig. 1-2; [0004]-[0016] and [0045]-[0077]), wherein the request to provide the service of scanning or faxing is transferred from the web

browser (<u>Wakai</u>, Fig. 2, ref. 202 ,203) to the web server (<u>Wakai</u>, Fig. 2, ref. 204)

conforming to the markup language utilized by the web browser (<u>Wakai</u>, Fig. 132);

    obtaining results of parsing the third request from the language parser (<u>Wakai</u>,

col. 13, l. 21 to col. 16, l. 60 and <u>Tso</u>, Fig. 3, ref. 22; col. 2, l. 44 to col. 3, l. 65) ;

    selecting a second device (<u>Toda</u>, scanner device 32 or facsimile device 28 in

MFP 2 of Fig. 2) of the plurality of devices (<u>Toda</u>, scanner device 32, printer device 31,

and facsimile device 28 in MFP 2 of Fig. 2) to provide the second requested service

(e.g. service of scanning or faxing), wherein said selecting the second device is

performed in response to said obtaining the results of parsing the third request (<u>Wakai</u>,

col. 13, l. 21 to col. 16, l. 60; <u>Tso</u>, Fig. 3, ref. 22; col. 2, l. 44 to col. 3, l. 65 and <u>Toda</u>,

Fig. 1-2; [0004]-[0016] and [0045]-[0077]); and

    converting the third request to a fourth request (e.g. scan or facsimile command),

wherein the fourth request conforms to a request format defined in a third language

(e.g. language associated with scan or facsimile process command), the second device

(<u>Toda</u>, scanner device 32 or facsimile device 28 in MFP 2 of Fig. 2) is configured to

provide the second requested service (e.g. service of scanning or faxing) in response to

receiving the fourth request, and at least one of the plurality of devices is configured to

receive requests only in a format that is incompatible with the request format defined in

the third language (<u>Wakai</u>, col. 13, l. 21 to col. 16, l. 60; <u>Tso</u>, Fig. 3, ref. 22; c col. 2, l. 44

to col. 3, l. 65 and <u>Toda</u>, Fig. 1-2; [0004]-[0016] and [0045]-[0077]), wherein the printer

device is configured to only receive print command that is incompatible with the request

format corresponding to scan or fax command.

III. CLOSING COMMENTS

Conclusion

a. STATUS OF CLAIMS IN THE APPLICATION

The following is a summary of the treatment and status of all claims in the

application as recommended by **M.P.E.P. 707.07(i)**:

a(1) CLAIMS REJECTED IN THE APPLICATION

Per the instant office action, claims 1-36 and 40-41 have received a first action

on the merits and are subject of a first action non-final.

b. DIRECTION OF FUTURE CORRESPONDENCES

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Chun-Kuan (Mike) Lee whose telephone number is

(571) 272-0671. The examiner can normally be reached on 8AM to 5PM.

IMPORTANT NOTE

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Alford Kindred can be reached on (571) 272-4037. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

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system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

September 11, 2009   Chun-Kuan (Mike) Lee
                                            Examiner
/Chun-Kuan Lee/   Art Unit 2181

Examiner, Art Unit 2181